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Appl. No.: 10/574,700

Amdt. Dated August 20, 2007

Response to Office Action Mailed April 19, 2007

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in this application.

1-2. (Cancelled).

3. (New) An electric power generating apparatus for decentralized power supply, comprising

a permanent magnet type electric power generator driven by a windmill or a waterwheel,

said power generator comprising a first insulated winding and a second insulated winding, wherein

said first winding has a different number of turns than said second winding,

said first winding produces a lower induced voltage than said second winding,

said first winding is connected to a first rectifier which directly rectifies an alternating current power input from said first winding to a direct current power output of the first rectifier,

said second winding is connected in series to a saturated reactor, said reactor comprising a core that becomes saturated as alternating current power input from said second winding to said core is increased, whereby an inductance value of the reactor decreases as the alternating current power input to said core from said second winding increases,

said saturated reactor is connected to a second rectifier which rectifies an alternating current power input from such saturated reactor to a direct current power output of the second rectifier, and

the direct current power outputs of said first rectifier and said second rectifier are connected in parallel.

4. (New) An electric power generating apparatus according to claim 3, further comprising a constant-voltage power supply to which the direct current power outputs of said first rectifier and said second rectifier are connected, whereby the constant-voltage power supply is charged by said direct current power outputs.

5. (New) An electric power generating apparatus according to claim 4, wherein the constant-voltage power supply is a battery.

6. (New) An electric power generating apparatus for decentralized power supply, consisting essentially of

a permanent magnet type electric power generator driven by a windmill or a waterwheel, said power generator comprising a first insulated winding and a second insulated winding, wherein

said first winding has a different number of turns than said second winding,

said first winding produces a lower induced voltage than said second winding,

said first winding is connected to a first rectifier which directly rectifies an alternating current power input from said first winding to a direct current power output of the first rectifier,

said second winding is connected in series to a saturated reactor, said reactor comprising a core that becomes saturated as alternating current power input from said second winding to said core is increased, whereby an inductance value of the reactor decreases as the alternating current power input to said core from said second winding increases,

said saturated reactor is connected to a second rectifier which rectifies an alternating current power input from such saturated reactor to a direct current power output of the second rectifier, and

the direct current power outputs of said first rectifier and said second rectifier are connected in parallel.

7. (New) An electric power generating apparatus according to claim 6, further consisting essentially of a constant-voltage power supply to which the direct current power outputs of said first rectifier and said second rectifier are connected, whereby the constant-voltage power supply is charged by said direct current power outputs.

8. (New) An electric power generating apparatus according to claim 7, wherein the constant-voltage power supply is a battery.

9. (New) An electric power generating apparatus for decentralized power supply, comprising

a permanent magnet type electric power generator driven by a windmill or a waterwheel, said power generator comprising an insulated winding, wherein

said winding is connected in series to a saturated reactor, said reactor comprising a core that becomes saturated as alternating current power input from said winding to said core is increased, whereby an inductance value of the reactor decreases as the alternating current power input to said core from said winding increases, and

said saturated reactor is connected to a rectifier which rectifies an alternating current power input from such saturated reactor to a direct current power output of the rectifier.

10. (New) An electric power generating apparatus according to claim 9, further comprising a constant-voltage power supply to which the direct current power output of said

rectifier is connected, whereby the constant-voltage power supply is charged by said direct current power output.

11. (New) An electric power generating apparatus according to claim 10, wherein the constant-voltage power supply is a battery.

12. (New) An electric power generating apparatus for decentralized power supply, consisting essentially of

a permanent magnet type electric power generator driven by a windmill or a waterwheel, said power generator comprising an insulated winding, wherein

said winding is connected in series to a saturated reactor, said reactor comprising a core that becomes saturated as alternating current power input from said winding to said core is increased, whereby an inductance value of the reactor decreases as the alternating current power input to said core from said winding increases, and

said saturated reactor is connected to a rectifier which rectifies an alternating current power input from such saturated reactor to a direct current power output of the rectifier.

13. (New) An electric power generating apparatus according to claim 12, further consisting essentially of a constant-voltage power supply to which the direct current power output of said rectifier is connected, whereby the constant-voltage power supply is charged by said direct current power output.

14. (New) An electric power generating apparatus according to claim 13, wherein the constant-voltage power supply is a battery.